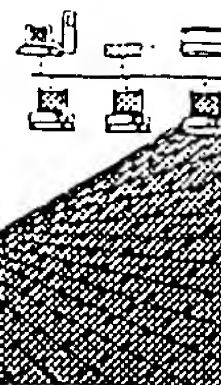


M. Walicka

Re-run

BIOTECHNOLOGY
SYSTEMS
BRANCH



#33

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form;

Application Serial Number: 09/424,686E
Source: OLPE
Date Processed by STIC: 6/13/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/cbc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/424,686E

DATE: 06/13/2003

TIME: 10:29:44

Input Set : A:\PTO.PG.txt

Output Set: N:\CRF4\06132003\I424686E.raw

RECEIVED
JUL 07 2003
TECH CENTER 1600/2900

4 <110> APPLICANT: Hagen, Gustav
5 Siegmund, Hans-Ulrich
6 Weichel, Walter
7 Wick, Maresa
8 Zubov, Dmitry
10 <120> TITLE OF INVENTION: Human Catalytic Telomerase Sub-Unit and its Diagnostic and
11 Therapeutic Use
13 <130> FILE REFERENCE: Bayer 10,203
15 <140> CURRENT APPLICATION NUMBER: US 09/424,686E
C--> 17 <141> CURRENT FILING DATE: 2003-06-09
19 <150> PRIOR APPLICATION NUMBER: PCT/EP98/03468
21 <151> PRIOR FILING DATE: 1998-06-09
23 <160> NUMBER OF SEQ ID NOS: 12
25 <170> SOFTWARE: Microsoft Word

Does Not Comply
Corrected Diskette Needed

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

1289 <210> SEQ ID NO: 12
1290 <211> LENGTH: 4012
1291 <212> TYPE: DNA
1292 <213> ORGANISM: Homo sapien
1294 <220> FEATURE:
1295 <221> NAME/KEY: CDS
W--> 1296 <222> LOCATION: (1)..(4042)
1297 <223> OTHER INFORMATION: Nucleotide positions 1-1782 and 3872 to 4042 are identical
to the
1298 same sequences in SEQ ID NO: 1; nucleotide positions from 1783 t
1299 o 3871 are according to SEQ ID NO: 7.
1302 <400> SEQUENCE: 12
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1306 cgatgccgcg cgctccccgc tgcgagccg tgcgctccct gctgcgcagc cactaccgcg 120
1308 aggtgctgcc gctggccacg ttcgtgcggc gcctggggcc ccagggtggt cggtggtgct 180
1310 agcgcgggga cccggcggtt ttcgcgcgcg tgggtggcca gtgcctggtg tgcgtgccct 240
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1318 gcagctacct gcccaacacg gtgaccgacg cactgcgggg gagcggggcg tgggggctgc 480
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*No page nos. in computer
should be 4012 readable form Sec. 1.824
(2)(5)
of the sequence
Please
delete
page
numbers*

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/424,686E

DATE: 06/13/2003

TIME: 10:29:44

Input Set : A:\PTO.PG.txt

Output Set: N:\CRF4\06132003\I424686E.raw

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| 1334 | aagaagccac | ctctttggag | ggtgcgctct | ctggcacgcg | ccactccac | ccatccgtgg | 960 |
| 1336 | gccgccagca | ccacgcgggc | cccccatcca | catcgcgcc | accacgtccc | tgggacacgc | 1020 |
| 1338 | cttgtccccc | ggtgtacgcc | gagaccaagc | acttctctta | ctcctcaggc | gacaaggagc | 1080 |
| 1340 | agctgcggcc | ctccttccta | ctcagctctc | tgaggcccag | cctgactggc | gctcggaggc | 1140 |
| 1342 | tcgtggagac | catctttctg | ggttccaggc | cctggatgcc | agggactccc | cgcaggttgc | 1200 |
| 1344 | cccgccctgcc | ccagcgctac | tggcaaatgc | ggccccctgtt | tctggagctg | cttgggaacc | 1260 |
| 1346 | acgcgcagtg | cccctacggg | gtgctcctca | agacgcactg | cccgtgcga | gctgcggtca | 1320 |
| 1348 | ccccagcagc | cgggtgtctgt | gcccgggaga | agccccaggg | ctctgtggcg | gcccccgagg | 1380 |
| 1350 | aggaggacac | agacccccgt | cgcctggtgc | agctgctccg | ccagcacagc | agccccctggc | 1440 |
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| 1354 | ccaggcacaa | cgaacgccgc | ttcctcagga | acaccaagaa | gttcatctcc | ctggggaagc | 1560 |
| 1356 | atgccaagct | ctcgtgcag | gagctgacgt | ggaagatgag | cgtgcgggac | tgcgcttggc | 1620 |
| 1358 | tgcgcaggag | cccagggggtt | ggctgtgttc | cggccgcaga | gcaccgtctg | cgtgaggaga | 1680 |
| 1360 | tcctggccaa | gttcctgcac | tggctgatga | gtgtgtacgt | cgtcgagctg | ctcaggtctt | 1740 |
| 1362 | tcttttatgt | cacggagacc | acgtttcaaa | agaacaggct | ctttttctac | cggagagagt | 1800 |
| 1364 | tctggagcaa | gttgcaaagc | attggaatca | gacagcactt | gaagagggtg | cagctgcggg | 1860 |
| 1366 | agctgtcgga | agcagaggtc | aggcagcatc | gggaagccag | gcccgccttg | ctgacgtcca | 1920 |
| 1368 | gactccgctt | catccccaag | cctgacgggc | tgcggccgat | tgtgaacatg | gactacgtcg | 1980 |
| 1370 | tgggagccag | aacgttccgc | agagaaaaga | gggcccagcg | tctcacctcg | aggggtgaagg | 2040 |
| 1372 | cactgttcag | cgtgctcaac | tacgagcggg | cgcggcgccc | cggcctcctg | ggcgccctctg | 2100 |
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| 1378 | tccccagga | caggctcacg | gaggtcatcg | ccagcatcat | caaaccccag | aacacgtact | 2280 |
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| 1388 | tcaggggcaa | gtcctacgtc | cagtgccagg | ggatcccga | gggctccatc | ctctccacgc | 2580 |
| 1390 | tgctctgcag | cctgtgctac | ggcgacatgg | agaacaagct | gtttgcgggg | attcggcggg | 2640 |
| 1392 | acgggctgct | cctgcgtttg | gtggatgatt | tcttgttggt | gacacctcac | ctcaccacag | 2700 |
| 1394 | cgaaaacctt | cctcaggacc | ctgggtccgag | gtgtccctga | gtatggctgc | gtggtgaact | 2760 |
| 1396 | tgcggaagac | agtgggtgaac | ttccctgtag | aagacgaggc | cctgggtggc | acggcttttg | 2820 |
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| 1402 | tcaaccgcgg | cttcaaggct | gggaggaaca | tgcgtcgcaa | actctttggg | gtcttgcggc | 3000 |
| 1404 | tgaagtgtca | cagcctgttt | ctggatttgc | aggtgaacag | cctccagacg | gtgtgcacca | 3060 |
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| 1410 | cctccctctg | ctactccatc | ctgaaagcca | agaacgcagg | tatgtgcagg | tgcctggcct | 3240 |
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| 1426 | cgacagagcc | ccgcgcgcgc | ctctgcttcc | cagtcaccgt | cctctgcccc | tggacacttt | 3720 |
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RAW SEQUENCE LISTING

DATE: 06/13/2003

PATENT APPLICATION: US/09/424,686E

TIME: 10:29:44

Input Set : A:\PTO.PG.txt

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| 1434 | gcacctggat | gggggtccct | gtgggtcaaa | ttggggggag | gtgctgtggg | agtaaaatac | 3960 |
| 1436 | tgaatatatg | agtttttcag | ttttgaaaaa | aaaaaaaaaa | aaaaaaaaaa | aa | 4012 |

E--> 1439 26

Delete

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/424,686E

DATE: 06/13/2003

TIME: 10:29:45

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Output Set: N:\CRF4\06132003\I424686E.raw

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L:1296 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#:12, CDS LOCATION: (1)..
(4042)

L:1439 M:254 E: No. of Bases conflict, this line has no nucleotides.